RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/542,227
Source: PCT/10
Date Processed by STIC: 7/25/05

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RAW SEQUENCE LISTING DATE: 07/25/2005
PATENT APPLICATION: **US/10/542,227** TIME: 08:44:05

Input Set : **A:\BIO-127.ST25.txt**
Output Set: **N:\CRF4\07252005\J542227.raw**

```
 3 <110> APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS
 4       SCIENTIFIQUES, S.A.S.
 5       DONG, Zheng Xin
 7 <120> TITLE OF INVENTION: PEPTIDE YY ANALOGS
 9 <130> FILE REFERENCE: 127P/PCT/US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/542,227
12 <141> CURRENT FILING DATE: 2005-07-15
14 <150> PRIOR APPLICATION NUMBER: US 60/440,812
15 <151> PRIOR FILING DATE: 2003-01-17
17 <150> PRIOR APPLICATION NUMBER: PCT/US2004/00892
18 <151> PRIOR FILING DATE: 2004-01-13
20 <160> NUMBER OF SEQ ID NOS: 108
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 36
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Human PYY
32 <400> SEQUENCE: 1
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35 1               5                   10                  15
38 Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
39             20                  25                  30
42 Arg Gln Arg Tyr
43         35
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 36
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Rat PYY
54 <400> SEQUENCE: 2
56 Tyr Pro Ala Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
57 1               5                   10                  15
60 Leu Ser Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
61             20                  25                  30
64 Arg Gln Arg Tyr
65         35
68 <210> SEQ ID NO: 3
69 <211> LENGTH: 34
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
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     74 <223> OTHER INFORMATION: Synthetic Peptide
     77 <220> FEATURE:
     78 <221> NAME/KEY: MISC_FEATURE
     79 <222> LOCATION: (29)..(29)
     80 <223> OTHER INFORMATION: Xaa is 1-amino-1-cyclopentanecarboxylic acid
     82 <220> FEATURE:
     83 <221> NAME/KEY: MOD_RES
     84 <222> LOCATION: (34)..(34)
     85 <223> OTHER INFORMATION: C-Terminal Amidation
     87 <400> SEQUENCE: 3
     89 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
     90 1               5                  10                  15
W--> 93 Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Xaa Thr Arg Gln
     94              20                  25                  30
     97 Arg Tyr
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    103 <212> TYPE: PRT
    104 <213> ORGANISM: Artificial Sequence
    106 <220> FEATURE:
    107 <223> OTHER INFORMATION: Synthetic Peptide
    110 <220> FEATURE:
    111 <221> NAME/KEY: MISC_FEATURE
    112 <222> LOCATION: (1)..(1)
    113 <223> OTHER INFORMATION: Xaa is 1-amino-1-cyclopentanecarboxylic acid
    115 <220> FEATURE:
    116 <221> NAME/KEY: MOD_RES
    117 <222> LOCATION: (1)..(1)
    118 <223> OTHER INFORMATION: N-Terminal ACETYLATION
    120 <220> FEATURE:
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    122 <222> LOCATION: (15)..(15)
    123 <223> OTHER INFORMATION: C-Terminal AMIDATION
    125 <400> SEQUENCE: 4
W--> 127 Xaa Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
    128 1               5                  10                  15
    131 <210> SEQ ID NO: 5
    132 <211> LENGTH: 34
    133 <212> TYPE: PRT
    134 <213> ORGANISM: Artificial Sequence
    136 <220> FEATURE:
    137 <223> OTHER INFORMATION: Synthetic Peptide
    140 <220> FEATURE:
    141 <221> NAME/KEY: MISC_FEATURE
    142 <222> LOCATION: (24)..(24)
    143 <223> OTHER INFORMATION: Xaa is beta-(3-pyridinyl)alanine
    145 <220> FEATURE:
    146 <221> NAME/KEY: MOD_RES
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Input Set : **A:\BIO-127.ST25.txt**
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147 <222> LOCATION: (34)..(34)
148 <223> OTHER INFORMATION: C-Terminal AMIDATION
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W--> 156 Arg Tyr Tyr Ala Ser Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln
157 20 25 30
160 Arg Tyr
164 <210> SEQ ID NO: 6
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166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Synthetic Peptide
173 <220> FEATURE:
174 <221> NAME/KEY: MISC_FEATURE
175 <222> LOCATION: (24)..(24)
176 <223> OTHER INFORMATION: Xaa is beta-(4-thiazolyl)alanine
178 <220> FEATURE:
179 <221> NAME/KEY: MOD_RES
180 <222> LOCATION: (34)..(34)
181 <223> OTHER INFORMATION: C-Terminal AMIDATION
183 <400> SEQUENCE: 6
185 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
186 1 5 10 15
W--> 189 Arg Tyr Tyr Ala Ser Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln
190 20 25 30
193 Arg Tyr
197 <210> SEQ ID NO: 7
198 <211> LENGTH: 34
199 <212> TYPE: PRT
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203 <223> OTHER INFORMATION: Synthetic Peptide
206 <220> FEATURE:
207 <221> NAME/KEY: MISC_FEATURE
208 <222> LOCATION: (33)..(33)
209 <223> OTHER INFORMATION: Xaa is Apc as defined in the specification
211 <220> FEATURE:
212 <221> NAME/KEY: MOD_RES
213 <222> LOCATION: (34)..(34)
214 <223> OTHER INFORMATION: C-Terminal AMIDATION
216 <400> SEQUENCE: 7
218 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
219 1 5 10 15
222 Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
223 20 25 30
W--> 226 Xaa Tyr
230 <210> SEQ ID NO: 8

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Input Set : **A:\BIO-127.ST25.txt**
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231 <211> LENGTH: 34
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
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236 <223> OTHER INFORMATION: Synthetic Peptide
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240 <221> NAME/KEY: MISC_FEATURE
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242 <223> OTHER INFORMATION: Xaa is 1-amino-1-cyclohexanecarboxylic acid
244 <220> FEATURE:
245 <221> NAME/KEY: MOD_RES
246 <222> LOCATION: (34)..(34)
247 <223> OTHER INFORMATION: C-Terminal AMIDATION
249 <400> SEQUENCE: 8
251 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
252 1 5 10 15
W--> 255 **Arg Tyr Tyr Ala Ser Leu Arg His Tyr Xaa Asn Leu Val Thr Arg Gln**
256 20 25 30
259 Arg Tyr
263 <210> SEQ ID NO: 9
264 <211> LENGTH: 34
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Synthetic Peptide
272 <220> FEATURE:
273 <221> NAME/KEY: MISC_FEATURE
274 <222> LOCATION: (28)..(28)
275 <223> OTHER INFORMATION: Xaa is 1-amino-1-cyclohexanecarboxylic acid
277 <220> FEATURE:
278 <221> NAME/KEY: MOD_RES
279 <222> LOCATION: (34)..(34)
280 <223> OTHER INFORMATION: C-Terminal AMIDATION
282 <400> SEQUENCE: 9
284 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
285 1 5 10 15
W--> 288 **Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Xaa Val Thr Arg Gln**
289 20 25 30
292 Arg Tyr
296 <210> SEQ ID NO: 10
297 <211> LENGTH: 34
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Synthetic Peptide
305 <220> FEATURE:
306 <221> NAME/KEY: MISC_FEATURE
307 <222> LOCATION: (22)..(22)
308 <223> OTHER INFORMATION: Xaa is 1-amino-1-cyclohexanecarboxylic acid

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Input Set : **A:\BIO-127.ST25.txt**
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310 <220> FEATURE:
311 <221> NAME/KEY: MOD_RES
312 <222> LOCATION: (34)..(34)
313 <223> OTHER INFORMATION: C-Terminal AMIDATION
315 <400> SEQUENCE: 10
317 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
318 1 5 10 15
W--> 321 Arg Tyr Tyr Ala Ser Xaa Arg His Tyr Leu Asn Leu Val Thr Arg Gln
322 20 25 30
325 Arg Tyr
329 <210> SEQ ID NO: 11
330 <211> LENGTH: 34
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Synthetic Peptide
338 <220> FEATURE:
339 <221> NAME/KEY: MISC_FEATURE
340 <222> LOCATION: (20)..(20)
341 <223> OTHER INFORMATION: Xaa is alpha-aminoisobutyric acid
343 <220> FEATURE:
344 <221> NAME/KEY: MOD_RES
345 <222> LOCATION: (34)..(34)
346 <223> OTHER INFORMATION: C-Terminal AMIDATION
348 <400> SEQUENCE: 11
350 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
351 1 5 10 15
W--> 354 Arg Tyr Tyr Xaa Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
355 20 25 30
358 Arg Tyr
362 <210> SEQ ID NO: 12
363 <211> LENGTH: 34
364 <212> TYPE: PRT
365 <213> ORGANISM: Artificial Sequence
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Synthetic Peptide
371 <220> FEATURE:
372 <221> NAME/KEY: MISC_FEATURE
373 <222> LOCATION: (25)..(25)
374 <223> OTHER INFORMATION: Xaa is 3,4,5-trifluorophenylalanine
376 <220> FEATURE:
377 <221> NAME/KEY: MOD_RES
378 <222> LOCATION: (34)..(34)
379 <223> OTHER INFORMATION: C-Terminal AMIDATION
381 <400> SEQUENCE: 12
383 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
384 1 5 10 15
W--> 387 Arg Tyr Tyr Ala Ser Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln
388 20 25 30

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/25/2005
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Input Set : **A:\BIO-127.ST25.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 29
Seq#:4; Xaa Pos. 1
Seq#:5; Xaa Pos. 24
Seq#:6; Xaa Pos. 24
Seq#:7; Xaa Pos. 33
Seq#:8; Xaa Pos. 26
Seq#:9; Xaa Pos. 28
Seq#:10; Xaa Pos. 22
Seq#:11; Xaa Pos. 20
Seq#:12; Xaa Pos. 25
Seq#:13; Xaa Pos. 5
Seq#:14; Xaa Pos. 5
Seq#:15; Xaa Pos. 6
Seq#:16; Xaa Pos. 3
Seq#:17; Xaa Pos. 3
Seq#:18; Xaa Pos. 3
Seq#:19; Xaa Pos. 3
Seq#:20; Xaa Pos. 5
Seq#:21; Xaa Pos. 10
Seq#:22; Xaa Pos. 9
Seq#:23; Xaa Pos. 7
Seq#:24; Xaa Pos. 10
Seq#:25; Xaa Pos. 3
Seq#:26; Xaa Pos. 5
Seq#:27; Xaa Pos. 5
Seq#:28; Xaa Pos. 1
Seq#:29; Xaa Pos. 5
Seq#:30; Xaa Pos. 8
Seq#:31; Xaa Pos. 18
Seq#:32; Xaa Pos. 19
Seq#:33; Xaa Pos. 5
Seq#:34; Xaa Pos. 3
Seq#:35; Xaa Pos. 24
Seq#:36; Xaa Pos. 6
Seq#:37; Xaa Pos. 4
Seq#:38; Xaa Pos. 25
Seq#:39; Xaa Pos. 15
Seq#:40; Xaa Pos. 13
Seq#:41; Xaa Pos. 34
Seq#:42; Xaa Pos. 18
Seq#:43; Xaa Pos. 19
Seq#:44; Xaa Pos. 5
Seq#:45; Xaa Pos. 3
Seq#:46; Xaa Pos. 24

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Input Set : **A:\BIO-127.ST25.txt**
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Seq#:47; Xaa Pos. 4
Seq#:48; Xaa Pos. 15
Seq#:49; Xaa Pos. 13
Seq#:50; Xaa Pos. 34
Seq#:51; Xaa Pos. 8
Seq#:52; Xaa Pos. 8
Seq#:53; Xaa Pos. 9

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Input Set : **A:\BIO-127.ST25.txt**
Output Set: **N:\CRF4\07252005\J542227.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:32
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:16
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:16
L:993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:16
L:1027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:16
L:1120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:16
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:32
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:16
L:1338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:16
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:16
L:1465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:1525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0

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L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:32
L:1588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0